

Vaughan G Macefield

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218
papers

5,492
citations

40
h-index

63
g-index

247
ext. papers

6,306
ext. citations

3.9
avg, IF

6.22
L-index

#	Paper	IF	Citations
218	The firing rates of human motoneurons voluntarily activated in the absence of muscle afferent feedback. <i>Journal of Physiology</i> , 1993 , 471, 429-43	3.9	212
217	Vibration sensitivity of human muscle spindles and Golgi tendon organs. <i>Muscle and Nerve</i> , 2007 , 36, 21-9	3.4	145
216	Somatotopic organization of the processing of muscle and cutaneous pain in the left and right insula cortex: a single-trial fMRI study. <i>Pain</i> , 2007 , 128, 20-30	8	122
215	Physiological characteristics of low-threshold mechanoreceptors in joints, muscle and skin in human subjects. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005 , 32, 135-44	3	115
214	Force-frequency and fatigue properties of motor units in muscles that control digits of the human hand. <i>Journal of Neurophysiology</i> , 1999 , 81, 1718-29	3.2	114
213	The discharge behaviour of single sympathetic neurones supplying human sweat glands. <i>Journal of the Autonomic Nervous System</i> , 1996 , 61, 277-86		108
212	Control of grip force during restraint of an object held between finger and thumb: responses of cutaneous afferents from the digits. <i>Experimental Brain Research</i> , 1996 , 108, 155-71	2.3	106
211	Contractile properties of single motor units in human toe extensors assessed by intraneural motor axon stimulation. <i>Journal of Neurophysiology</i> , 1996 , 75, 2509-19	3.2	103
210	Firing properties of single vasoconstrictor neurones in human subjects with high levels of muscle sympathetic activity. <i>Journal of Physiology</i> , 1999 , 516 (Pt 1), 293-301	3.9	96
209	Encoding of object curvature by tactile afferents from human fingers. <i>Journal of Neurophysiology</i> , 1997 , 78, 2881-8	3.2	95
208	Vestibulo-sympathetic responses. <i>Comprehensive Physiology</i> , 2014 , 4, 851-87	7.7	92
207	Control of grip force during restraint of an object held between finger and thumb: responses of muscle and joint afferents from the digits. <i>Experimental Brain Research</i> , 1996 , 108, 172-84	2.3	92
206	Evidence for strong synaptic coupling between single tactile afferents from the sole of the foot and motoneurons supplying leg muscles. <i>Journal of Neurophysiology</i> , 2005 , 94, 3795-804	3.2	91
205	Distinct forebrain activity patterns during deep versus superficial pain. <i>Pain</i> , 2006 , 120, 286-296	8	88
204	Firing properties of single muscle vasoconstrictor neurons in the sympathoexcitation associated with congestive heart failure. <i>Circulation</i> , 1999 , 100, 1708-13	16.7	86
203	Firing properties of single postganglionic sympathetic neurones recorded in awake human subjects. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2002 , 95, 146-59	2.4	85
202	Gender differences in brain activity evoked by muscle and cutaneous pain: a retrospective study of single-trial fMRI data. <i>NeuroImage</i> , 2008 , 39, 1867-76	7.9	84

201	Motoneuronal output and gradation of effort in attempts to contract acutely paralysed leg muscles in man. <i>Journal of Physiology</i> , 1993 , 471, 411-27	3.9	83
200	Axonal changes in spinal cord injured patients distal to the site of injury. <i>Brain</i> , 2007 , 130, 985-94	11.2	76
199	Pain inhibits pain; human brainstem mechanisms. <i>NeuroImage</i> , 2016 , 124, 54-62	7.9	68
198	Respiratory and cardiac modulation of single sympathetic vasoconstrictor and sudomotor neurones to human skin. <i>Journal of Physiology</i> , 1999 , 516 (Pt 1), 303-14	3.9	67
197	Neural sites involved in the sustained increase in muscle sympathetic nerve activity induced by inspiratory capacity apnea: a fMRI study. <i>Journal of Applied Physiology</i> , 2006 , 100, 266-73	3.7	66
196	Cortical and brain stem changes in neural activity during static handgrip and postexercise ischemia in humans. <i>Journal of Applied Physiology</i> , 2010 , 108, 1691-700	3.7	63
195	Real-time imaging of the medullary circuitry involved in the generation of spontaneous muscle sympathetic nerve activity in awake subjects. <i>Human Brain Mapping</i> , 2010 , 31, 539-49	5.9	63
194	Modulation of muscle sympathetic activity during spontaneous and artificial ventilation and apnoea in humans. <i>Journal of the Autonomic Nervous System</i> , 1995 , 53, 137-47		62
193	Modulation of muscle sympathetic bursts by sinusoidal galvanic vestibular stimulation in human subjects. <i>Experimental Brain Research</i> , 2006 , 174, 701-11	2.3	60
192	Mechanisms of sympathoexcitation: single-unit analysis of muscle vasoconstrictor neurons in awake OSAS subjects. <i>Journal of Applied Physiology</i> , 2002 , 93, 297-303	3.7	59
191	Functional and structural changes in the brain associated with the increase in muscle sympathetic nerve activity in obstructive sleep apnoea. <i>NeuroImage: Clinical</i> , 2014 , 6, 275-83	5.3	58
190	Effects of deep and superficial experimentally induced acute pain on muscle sympathetic nerve activity in human subjects. <i>Journal of Physiology</i> , 2009 , 587, 183-93	3.9	56
189	Discharge behaviour of single motor units during maximal voluntary contractions of a human toe extensor. <i>Journal of Physiology</i> , 2000 , 528 Pt 1, 227-34	3.9	51
188	Allodynia mediated by C-tactile afferents in human hairy skin. <i>Journal of Physiology</i> , 2011 , 589, 4065-75	3.9	50
187	Functional properties of human muscle spindles. <i>Journal of Neurophysiology</i> , 2018 , 120, 452-467	3.2	48
186	Can loss of muscle spindle afferents explain the ataxic gait in Riley-Day syndrome?. <i>Brain</i> , 2011 , 134, 3198-208	11.2	48
185	Cortical influences on brainstem circuitry responsible for conditioned pain modulation in humans. <i>Human Brain Mapping</i> , 2016 , 37, 2630-44	5.9	48
184	Slowly adapting mechanoreceptors in the borders of the human fingernail encode fingertip forces. <i>Journal of Neuroscience</i> , 2009 , 29, 9370-9	6.6	47

183	Real-time imaging of cortical and subcortical control of muscle sympathetic nerve activity in awake human subjects. <i>NeuroImage</i> , 2013 , 70, 59-65	7.9	45
182	Effects of static lung inflation on sympathetic activity in human muscle nerves at rest and during asphyxia. <i>Journal of the Autonomic Nervous System</i> , 1995 , 53, 148-56		42
181	Identification of sites of sympathetic outflow at rest and during emotional arousal: concurrent recordings of sympathetic nerve activity and fMRI of the brain. <i>International Journal of Psychophysiology</i> , 2013 , 89, 451-9	2.9	41
180	Frequency-dependent modulation of muscle sympathetic nerve activity by sinusoidal galvanic vestibular stimulation in human subjects. <i>Experimental Brain Research</i> , 2009 , 197, 379-86	2.3	41
179	Changes in Brainstem Pain Modulation Circuitry Function over the Migraine Cycle. <i>Journal of Neuroscience</i> , 2018 , 38, 10479-10488	6.6	40
178	Individual differences in the cardiovascular responses to tonic muscle pain: parallel increases or decreases in muscle sympathetic nerve activity, blood pressure and heart rate. <i>Experimental Physiology</i> , 2012 , 97, 1084-92	2.4	38
177	Sympathetic microneurography. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013 , 117, 353-64	3	38
176	Cortically evoked neural volleys to the human hand are increased during ischaemic block of the forearm. <i>Journal of Physiology</i> , 2002 , 538, 279-88	3.9	38
175	A consensus statement on osseoperception. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005 , 32, 145-6	3	38
174	Differential activation of the human trigeminal nuclear complex by noxious and non-noxious orofacial stimulation. <i>Human Brain Mapping</i> , 2009 , 30, 3772-82	5.9	37
173	Brainstem changes associated with increased muscle sympathetic drive in obstructive sleep apnoea. <i>NeuroImage</i> , 2014 , 103, 258-266	7.9	36
172	The contribution of transcortical pathways to long-latency stretch and tactile reflexes in human hand muscles. <i>Experimental Brain Research</i> , 1996 , 108, 147-54	2.3	35
171	Sympathetic Responses to Noxious Stimulation of Muscle and Skin. <i>Frontiers in Neurology</i> , 2016 , 7, 109	4.1	35
170	Deep in the brain: Changes in subcortical function immediately preceding a migraine attack. <i>Human Brain Mapping</i> , 2018 , 39, 2651-2663	5.9	34
169	"Real-time" imaging of cortical and subcortical sites of cardiovascular control: concurrent recordings of sympathetic nerve activity and fMRI in awake subjects. <i>Journal of Neurophysiology</i> , 2016 , 116, 1199-207	3.2	34
168	Respiratory modulation of muscle sympathetic nerve activity is not increased in essential hypertension or chronic obstructive pulmonary disease. <i>Journal of Physiology</i> , 2011 , 589, 4997-5006	3.9	33
167	Discrete changes in cortical activation during experimentally induced referred muscle pain: a single-trial fMRI study. <i>Cerebral Cortex</i> , 2007 , 17, 2050-9	5.1	33
166	Low-frequency sinusoidal galvanic stimulation of the left and right vestibular nerves reveals two peaks of modulation in muscle sympathetic nerve activity. <i>Experimental Brain Research</i> , 2011 , 213, 507-14	2.3	32

165	A Review of Control Strategies in Closed-Loop Neuroprosthetic Systems. <i>Frontiers in Neuroscience</i> , 2016 , 10, 312	5.1	32
164	Real-time imaging of cortical areas involved in the generation of increases in skin sympathetic nerve activity when viewing emotionally charged images. <i>NeuroImage</i> , 2012 , 62, 30-40	7.9	31
163	Low-frequency galvanic vestibular stimulation evokes two peaks of modulation in skin sympathetic nerve activity. <i>Experimental Brain Research</i> , 2012 , 219, 441-6	2.3	31
162	Firing probability and mean firing rates of human muscle vasoconstrictor neurones are elevated during chronic asphyxia. <i>Journal of Physiology</i> , 2010 , 588, 701-12	3.9	31
161	Effects of 12 Months Continuous Positive Airway Pressure on Sympathetic Activity Related Brainstem Function and Structure in Obstructive Sleep Apnea. <i>Frontiers in Neuroscience</i> , 2016 , 10, 90	5.1	31
160	Altered brainstem anatomy in migraine. <i>Cephalalgia</i> , 2018 , 38, 476-486	6.1	28
159	Relationship between spontaneous sympathetic baroreflex sensitivity and cardiac baroreflex sensitivity in healthy young individuals. <i>Physiological Reports</i> , 2015 , 3, e12536	2.6	28
158	Vestibular and pulse-related modulation of skin sympathetic nerve activity during sinusoidal galvanic vestibular stimulation in human subjects. <i>Experimental Brain Research</i> , 2010 , 202, 291-8	2.3	28
157	The effects of experimental muscle and skin pain on the static stretch sensitivity of human muscle spindles in relaxed leg muscles. <i>Journal of Physiology</i> , 2008 , 586, 2713-23	3.9	28
156	Real-time imaging of brain areas involved in the generation of spontaneous skin sympathetic nerve activity at rest. <i>NeuroImage</i> , 2013 , 74, 188-94	7.9	27
155	Cardiorespiratory coupling of sympathetic outflow in humans: a comparison of respiratory and cardiac modulation of sympathetic nerve activity to skin and muscle. <i>Experimental Physiology</i> , 2013 , 98, 1327-36	2.4	27
154	Within-limb somatotopic representation of acute muscle pain in the human contralateral dorsal posterior insula. <i>Human Brain Mapping</i> , 2011 , 32, 1592-601	5.9	27
153	Autonomic markers of emotional processing: skin sympathetic nerve activity in humans during exposure to emotionally charged images. <i>Frontiers in Physiology</i> , 2012 , 3, 394	4.6	27
152	Pathological sympathoexcitation: how is it achieved?. <i>Acta Physiologica Scandinavica</i> , 2003 , 177, 405-11		27
151	Muscle spindles in human tibialis anterior encode muscle fascicle length changes. <i>Journal of Neurophysiology</i> , 2017 , 117, 1489-1498	3.2	26
150	Respiratory modulation of muscle sympathetic nerve activity in obstructive sleep apnoea. <i>Experimental Physiology</i> , 2014 , 99, 1288-98	2.4	25
149	Effects of intramuscular anesthesia on the expression of primary and referred pain induced by intramuscular injection of hypertonic saline. <i>Journal of Pain</i> , 2009 , 10, 829-35	5.2	25
148	Inhibition of muscle sympathetic outflow following transcranial cortical stimulation. <i>Journal of the Autonomic Nervous System</i> , 1998 , 68, 49-57		25

147	Competitive interactions between vestibular and cardiac rhythms in the modulation of muscle sympathetic nerve activity. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010 , 158, 127-31	2.4	24
146	Effects of deep and superficial experimentally induced acute pain on skin sympathetic nerve activity in human subjects. <i>Experimental Brain Research</i> , 2009 , 195, 317-24	2.3	24
145	Absence of short-term vestibular modulation of muscle sympathetic outflow, assessed by brief galvanic vestibular stimulation in awake human subjects. <i>Experimental Brain Research</i> , 2004 , 154, 39-43	2.3	23
144	Physiological and pathophysiological firing properties of single postganglionic sympathetic neurons in humans. <i>Journal of Neurophysiology</i> , 2018 , 119, 944-956	3.2	23
143	Reversal of functional changes in the brain associated with obstructive sleep apnoea following 6 months of CPAP. <i>NeuroImage: Clinical</i> , 2015 , 7, 799-806	5.3	22
142	Selective activation of muscle and skin nociceptors does not trigger exaggerated sympathetic responses in spinal-injured subjects. <i>Spinal Cord</i> , 2008 , 46, 660-5	2.7	22
141	Rate of rise in diastolic blood pressure influences vascular sympathetic response to mental stress. <i>Journal of Physiology</i> , 2016 , 594, 7465-7482	3.9	22
140	Grey matter volume in adolescents with anorexia nervosa and associated eating disorder symptoms. <i>European Journal of Neuroscience</i> , 2017 , 46, 2297-2307	3.5	21
139	Brain stem activity changes associated with restored sympathetic drive following CPAP treatment in OSA subjects: a longitudinal investigation. <i>Journal of Neurophysiology</i> , 2015 , 114, 893-901	3.2	21
138	Resting discharge of human muscle spindles is not modulated by increases in sympathetic drive. <i>Journal of Physiology</i> , 2003 , 551, 1005-11	3.9	21
137	In vivo recordings from the human vagus nerve using ultrasound-guided microneurography. <i>Journal of Physiology</i> , 2020 , 598, 3569-3576	3.9	20
136	Vestibular Modulation of Sympathetic Nerve Activity to Muscle and Skin in Humans. <i>Frontiers in Neurology</i> , 2017 , 8, 334	4.1	20
135	Spontaneous fluctuations in the peripheral photoplethysmographic waveform: roles of arterial pressure and muscle sympathetic nerve activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H826-36	5.2	20
134	Identification of sites of sympathetic outflow during concurrent recordings of sympathetic nerve activity and fMRI. <i>Anatomical Record</i> , 2012 , 295, 1396-403	2.1	20
133	Sustained activation of muscle sympathetic outflow during static lung inflation depends on a high intrathoracic pressure. <i>Journal of the Autonomic Nervous System</i> , 1998 , 68, 135-9		20
132	Identification of the human sympathetic connectome involved in blood pressure regulation. <i>NeuroImage</i> , 2019 , 202, 116119	7.9	19
131	Short-term peripheral nerve stimulation ameliorates axonal dysfunction after spinal cord injury. <i>Journal of Neurophysiology</i> , 2015 , 113, 3209-18	3.2	18
130	The relationship between thalamic GABA content and resting cortical rhythm in neuropathic pain. <i>Human Brain Mapping</i> , 2018 , 39, 1945-1956	5.9	18

129	Autonomic responses to exercise: cortical and subcortical responses during post-exercise ischaemia and muscle pain. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015 , 188, 10-8	2.4	18
128	Disturbances in affective touch in hereditary sensory & autonomic neuropathy type III. <i>International Journal of Psychophysiology</i> , 2014 , 93, 56-61	2.9	18
127	Evidence from bilateral recordings of sympathetic nerve activity for lateralisation of vestibular contributions to cardiovascular control. <i>Experimental Brain Research</i> , 2012 , 221, 427-36	2.3	18
126	Assessing the integrity of sympathetic pathways in spinal cord injury. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007 , 134, 61-8	2.4	18
125	Cardiovascular and respiratory modulation of tactile afferents in the human finger pad. <i>Experimental Physiology</i> , 2003 , 88, 617-25	2.4	18
124	Skin sympathetic nerve activity in humans during exposure to emotionally-charged images: sex differences. <i>Frontiers in Physiology</i> , 2014 , 5, 111	4.6	17
123	Low-frequency physiological activation of the vestibular utricle causes biphasic modulation of skin sympathetic nerve activity in humans. <i>Experimental Brain Research</i> , 2012 , 220, 101-8	2.3	17
122	Relationship between proprioception at the knee joint and gait ataxia in HSAN III. <i>Movement Disorders</i> , 2013 , 28, 823-7	7	17
121	Loads applied tangential to a fingertip during an object restraint task can trigger short-latency as well as long-latency EMG responses in hand muscles. <i>Experimental Brain Research</i> , 2003 , 152, 143-9	2.3	17
120	Asymmetric sympathetic output: The dorsomedial hypothalamus as a potential link between emotional stress and cardiac arrhythmias. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017 , 207, 22-27	2.4	16
119	Discharge rates and discharge variability of muscle spindle afferents in human chronic spinal cord injury. <i>Clinical Neurophysiology</i> , 2013 , 124, 114-9	4.3	16
118	Cardiac-locked bursts of muscle sympathetic nerve activity are absent in familial dysautonomia. <i>Journal of Physiology</i> , 2013 , 591, 689-700	3.9	16
117	Does sympathetic nerve discharge affect the firing of myelinated cutaneous afferents in humans?. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2004 , 111, 116-26	2.4	16
116	Modulation of human muscle spindle discharge by arterial pulsations--functional effects and consequences. <i>PLoS ONE</i> , 2012 , 7, e35091	3.7	16
115	The metaboreflex does not contribute to the increase in muscle sympathetic nerve activity to contracting muscle during static exercise in humans. <i>Journal of Physiology</i> , 2018 , 596, 1091-1102	3.9	15
114	Differential sensitivity to surface compliance by tactile afferents in the human finger pad. <i>Journal of Neurophysiology</i> , 2014 , 111, 1308-17	3.2	15
113	Modulation of muscle sympathetic nerve activity by low-frequency physiological activation of the vestibular utricle in awake humans. <i>Experimental Brain Research</i> , 2013 , 230, 137-42	2.3	15
112	Electrical signs of cortical involvement in the automatic control of grip force. <i>NeuroReport</i> , 1994 , 5, 2229-32	3.2	15

111	Recent advances in exercise pressor reflex function in health and disease. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2020 , 228, 102698	2.4	15
110	Sympathetic baroreflex sensitivity is inversely related to vascular transduction in men but not women. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H1203-H1209	5.2	15
109	Consistent interindividual increases or decreases in muscle sympathetic nerve activity during experimental muscle pain. <i>Experimental Brain Research</i> , 2014 , 232, 1309-15	2.3	14
108	Effect of contraction intensity on sympathetic nerve activity to active human skeletal muscle. <i>Frontiers in Physiology</i> , 2014 , 5, 194	4.6	14
107	Firing patterns of muscle vasoconstrictor neurons in respiratory disease. <i>Frontiers in Physiology</i> , 2012 , 3, 153	4.6	14
106	Intraneural microstimulation of motor axons in the study of human single motor units. <i>Muscle and Nerve</i> , 2005 , 32, 119-39	3.4	14
105	Obstructive Sleep Apnoea and Hypertension: the Role of the Central Nervous System. <i>Current Hypertension Reports</i> , 2016 , 18, 59	4.7	13
104	Cardiovascular variability in Parkinson's disease and extrapyramidal motor slowing. <i>Clinical Autonomic Research</i> , 2012 , 22, 191-6	4.3	13
103	Contributions of Central Command and Muscle Feedback to Sympathetic Nerve Activity in Contracting Human Skeletal Muscle. <i>Frontiers in Physiology</i> , 2016 , 7, 163	4.6	13
102	Autonomic dysreflexia: Somatosympathetic and viscerosympathetic vasoconstrictor responses to innocuous and noxious sensory stimulation below lesion in human spinal cord injury. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2018 , 209, 71-78	2.4	12
101	Vestibular modulation of muscle sympathetic nerve activity by the utricle during sub-perceptual sinusoidal linear acceleration in humans. <i>Experimental Brain Research</i> , 2014 , 232, 1379-88	2.3	12
100	Muscle sympathetic nerve activity peaks in the first trimester in healthy pregnancy: a longitudinal case study. <i>Clinical Autonomic Research</i> , 2017 , 27, 401-406	4.3	12
99	Inter-Individual Responses to Experimental Muscle Pain: Baseline Physiological Parameters Do Not Determine Whether Muscle Sympathetic Nerve Activity Increases or Decreases During Pain. <i>Frontiers in Neuroscience</i> , 2015 , 9, 471	5.1	12
98	Tonic muscle pain does not increase fusimotor drive to human leg muscles: implications for chronic muscle pain. <i>Experimental Physiology</i> , 2013 , 98, 1125-32	2.4	12
97	Functional Imaging of the Human Brainstem during Somatosensory Input and Autonomic Output. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 569	3.3	12
96	Changes in the spatiotemporal expression of local and referred pain following repeated intramuscular injections of hypertonic saline: a longitudinal study. <i>Journal of Pain</i> , 2010 , 11, 737-45	5.2	12
95	Cutaneous vasoconstriction as a measure of incipient autonomic dysreflexia during penile vibratory stimulation in spinal cord injury. <i>Spinal Cord</i> , 2009 , 47, 538-44	2.7	12
94	Fluctuating Regional Brainstem Diffusion Imaging Measures of Microstructure across the Migraine Cycle. <i>ENeuro</i> , 2019 , 6,	3.9	12

93	Altered regional cerebral blood flow and hypothalamic connectivity immediately prior to a migraine headache. <i>Cephalalgia</i> , 2020 , 40, 448-460	6.1	11
92	Effects of changing skin mechanics on the differential sensitivity to surface compliance by tactile afferents in the human finger pad. <i>Journal of Neurophysiology</i> , 2015 , 114, 2249-57	3.2	11
91	Input-output relationships of a somatosympathetic reflex in human spinal injury. <i>Clinical Autonomic Research</i> , 2009 , 19, 213-20	4.3	11
90	Spontaneous and evoked ectopic discharges recorded from single human axons. <i>Muscle and Nerve</i> , 1998 , 21, 461-8	3.4	11
89	Firing properties of sudomotor neurones in hyperhidrosis and thermal sweating. <i>Clinical Autonomic Research</i> , 2008 , 18, 325-30	4.3	11
88	Firing properties of muscle spindles supplying the intrinsic foot muscles of humans in unloaded and freestanding conditions. <i>Journal of Neurophysiology</i> , 2019 , 121, 74-84	3.2	11
87	Recording and quantifying sympathetic outflow to muscle and skin in humans: methods, caveats and challenges. <i>Clinical Autonomic Research</i> , 2021 , 31, 59-75	4.3	11
86	Cardiorespiratory and autonomic function in epileptic seizures: A video-EEG monitoring study. <i>Epilepsy and Behavior</i> , 2020 , 111, 107271	3.2	10
85	Muscle sympathetic nerve activity-coupled changes in brain activity during sustained muscle pain. <i>Brain and Behavior</i> , 2018 , 8, e00888	3.4	10
84	Developments in autonomic research: a review of the latest literature. <i>Clinical Autonomic Research</i> , 2009 , 19, 193-6	4.3	10
83	Vestibular inputs do not influence the fusimotor system in relaxed muscles of the human leg. <i>Experimental Brain Research</i> , 2007 , 180, 97-103	2.3	10
82	Tactile sensory channels over-ruled by frequency decoding system that utilizes spike pattern regardless of receptor type. <i>ELife</i> , 2019 , 8,	8.9	10
81	Magnitude of Morning Surge in Blood Pressure Is Associated with Sympathetic but Not Cardiac Baroreflex Sensitivity. <i>Frontiers in Neuroscience</i> , 2016 , 10, 412	5.1	10
80	Inhibition of augmented muscle vasoconstrictor drive following asphyxic apnoea in awake human subjects is not affected by relief of chemical drive. <i>Experimental Physiology</i> , 2013 , 98, 405-14	2.4	9
79	Central circuitry responsible for the divergent sympathetic responses to tonic muscle pain in humans. <i>Human Brain Mapping</i> , 2017 , 38, 869-881	5.9	9
78	Vestibular modulation of muscle sympathetic nerve activity during sinusoidal linear acceleration in supine humans. <i>Frontiers in Neuroscience</i> , 2014 , 8, 316	5.1	9
77	Tactile afferents encode grip safety before slip for different frictions. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 4123-6	0.9	9
76	Increasing cutaneous afferent feedback improves proprioceptive accuracy at the knee in patients with sensory ataxia. <i>Journal of Neurophysiology</i> , 2016 , 115, 711-6	3.2	9

75	Superentrainment of muscle sympathetic nerve activity during sinusoidal galvanic vestibular stimulation. <i>Journal of Neurophysiology</i> , 2016 , 116, 2689-2694	3.2	8
74	Microneurography from the posterior tibial nerve: a novel method of recording activity from the foot in freely standing humans. <i>Journal of Neurophysiology</i> , 2018 , 120, 953-959	3.2	8
73	Baroreflex modulation of muscle sympathetic nerve activity at rest does not differ between morning and afternoon. <i>Frontiers in Neuroscience</i> , 2015 , 9, 312	5.1	8
72	Biphasic effects of tonic stimulation of muscle nociceptors on skin sympathetic nerve activity in human subjects. <i>Experimental Brain Research</i> , 2012 , 221, 107-14	2.3	8
71	Somatosympathetic Vasoconstrictor Reflexes in Human Spinal Cord Injury: Responses to Innocuous and Noxious Sensory Stimulation below Lesion. <i>Frontiers in Physiology</i> , 2012 , 3, 215	4.6	8
70	Mechanically evoked sensory and motor responses to dynamic compression of the ulnar nerve. <i>Muscle and Nerve</i> , 2007 , 35, 303-11	3.4	8
69	Prolonged surges of baroreflex-resistant muscle sympathetic drive during periodic breathing. <i>Clinical Autonomic Research</i> , 2002 , 12, 165-9	4.3	8
68	Why do human postganglionic neurones primarily only fire once during a sympathetic burst?. <i>Acta Physiologica Scandinavica</i> , 2003 , 177, 247-53		8
67	Motion sickness is associated with an increase in vestibular modulation of skin but not muscle sympathetic nerve activity. <i>Experimental Brain Research</i> , 2015 , 233, 2433-40	2.3	7
66	Viscerosympathetic reflexes in human spinal cord injury: relationships between detrusor pressure, blood pressure and skin blood flow during bladder distension. <i>Experimental Physiology</i> , 2013 , 98, 1081-9 ^{2.4}		7
65	Assessing the capacity of the sympathetic nervous system to respond to a cardiovascular challenge in human spinal cord injury. <i>Spinal Cord</i> , 2008 , 46, 666-72	2.7	7
64	Hall technique crowns and children's masseter muscle activity: A surface electromyography pilot study. <i>International Journal of Paediatric Dentistry</i> , 2020 , 30, 303-313	3.1	7
63	Acute Exposure to Diesel Exhaust Increases Muscle Sympathetic Nerve Activity in Humans. <i>Journal of the American Heart Association</i> , 2021 , 10, e018448	6	7
62	Muscle sympathetic nerve activity and hemodynamic responses to venous distension: does sex play a role?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 316, H734-H742	5.2	7
61	Impaired sensorimotor control of the hand in congenital absence of functional muscle spindles. <i>Journal of Neurophysiology</i> , 2018 , 120, 2788-2795	3.2	7
60	Acid-sensing ion channels blockade attenuates pressor and sympathetic responses to skeletal muscle metaboreflex activation in humans. <i>Journal of Applied Physiology</i> , 2019 , 127, 1491-1501	3.7	6
59	Microstructural changes in the trigeminal nerve of patients with episodic migraine assessed using magnetic resonance imaging. <i>Journal of Headache and Pain</i> , 2020 , 21, 59	8.8	6
58	Changes in skin blood flow, respiration and blood pressure in participants reporting motion sickness during sinusoidal galvanic vestibular stimulation. <i>Experimental Physiology</i> , 2019 , 104, 1622-1629 ^{2.4}		6

57	Neck proprioceptors contribute to the modulation of muscle sympathetic nerve activity to the lower limbs of humans. <i>Experimental Brain Research</i> , 2014 , 232, 2263-71	2.3	6
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